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ACCESSION NUMBER: 2002-027856 JAPIO
TITLE: METHOD FOR CREATING TRANSGENIC PLANT WITH INCREASED
GLUTAMIC ACID CONTENT
INVENTOR: SHIRONAGA YUJI; MIWA TETSUYA; KIDA TAKAO; IGARASHI
DAISUKE; OOSUMI CHIEKO
PATENT ASSIGNEE(S): AJINOMOTO CO INC
PATENT INFORMATION:

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APPLICATION INFORMATION

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SECONDARY: C12N005-10; C12N015-09; C12P013-14
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ABSTRACT:

PROBLEM TO BE SOLVED: To provide a method for creating a transgenic
plant

with an increased content of free glutamic acid and to obtain the
transgenic plant with the increased content of the free glutamic acid,
its

offspring plant and seeds thereof.

SOLUTION: This method is to create the transgenic plant with the
increased

content of the free glutamic acid as compared with that of natural
plants

of the same species cultivated under the same conditions and further
comprises transforming a plant with a nucleic acid construct capable of
inhibiting the expression of a 2-oxoglutarate dehydrogenase(OGDH) gene,
selecting or identifying the transformed plant using the presence or
absence of a marker gene present on the nucleic acid construct as an
index

and screening the plant with the increased content of the free glutamic
acid.

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